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Application Number		10522320	
Filing Date		2005-10-17	
First Named Inventor	rst Named Inventor John L. Schenk		
Art Unit		1657	
Examiner Name	Tiffan	y M. Gough	
Attorney Docket Number		XY-Optimum-USNP	
	Filing Date First Named Inventor Art Unit Examiner Name	Filing Date First Named Inventor John Art Unit Examiner Name Tiffan	

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1	United States Application Number: 11/092,313, Response to Election filed by Applicant on 9/11/2006	
2	United States Application Number: 11/092,313, Office Action dated 10/6/2006	
3	United Sates Application Number: 11/092,509, Office Action dated 07/21/2006	
4	Garner, D.L. et al., Viability Assessment of Mammalian Sperm Using SYBR-14 and Propidium Lodide, 1996, Biology of Reporduction, Vol.53, pp 276-284	
5	Salisbury, G.W. et al., Substrate-Free Epididymal-Like Bovine Spermatozoa, J Repord Fertil, 1963, Vol. 6, pp. 351-359	
6	Wong, P.Y.D., et al. Potassium Movement During sodium-Induced Motility Initiation in the Rat Caudal Epididymal Spermatozoa; Biology of Reproduction 28, 206-212 (1983)	
7	Shirai, H., et al. Regulation of Sperm Motility in Starfish; Development, Growth, and Differentiation; 24, (5), 419-428 (1982)	
8	Padilla, A.W. et al. Extender and Centrifugation Effects on the Motility Patterns of Slow-Cooled Stallion Spermatozoa; J. Anim. Sci 1991, 69:3308-3313	
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12	Klinc, P. Dissertation - Improved Fertility of Flowcytometrically Sex Selected Bull Spermatozoa , School of Veterinary Medicine Hanover Germany, 2005	
13	Jones, J.M. et al Acidification of Intracellular pH in Bovine Spermatozoa Suppresses Motility and Extends Viable Life, Journal of Andrology, Vol. 21, No. 5, September/October 616-624	
14	Jenkins, A. D., et al. Concentrations of Seven Elements in the Intraluminal Fluids of the Rat Seminiferous Tubules, ReteTestis, and Epididymis; Biology of Reproduction 23, 981-987 (1980)	
15	Darszon, A., et al. lon Channels in Sperm Physiology, Physiological Reviews, Vol. 27, No. 2, April 1999	
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17	Babcock, D. F., et al. Potassium-dependent increases in cytosolic pH stimulate metabolism and motility of mammalian sperm, Proc. Natl. Acad. Sci. USA, Vol. 80, pp. 1327-1331, March 1983	
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